

MODULE II - GENERAL FACILITY CONDITIONS

II.A. APPLICABILITY

- II.A.1. The requirements of this permit module pertain to all Hazardous Waste Management Units (HWMUs) identified within Modules I, II and III.

II.B. DESIGN AND OPERATION OF FACILITY

- II.B.1. The Permittee shall design, construct, maintain and operate all of the HWMUs and surrounding areas to minimize the possibility of a fire, explosion, or any sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, groundwater or surface water which could threaten human health or the environment.
- II.B.2. Any construction changes associated with a permitted HWMU at the facility shall be documented by as-built drawings and certified by a registered professional engineer in accordance with Condition I.R.1. and UAC R315-3-3.1(l)(2)(i).
- II.B.3. After review of the as-built drawings and field verification of the facility's HWMUs, the Executive Secretary will notify the Permittee in writing of any change which he concludes does not satisfy the operating requirements specified in this permit.

II.C. REQUIRED NOTICE

- II.C.1. As required by UAC R315-8-2.3(a)(1), the Permittee shall notify the Executive Secretary in writing at least four weeks in advance of the date the Permittee expects to receive hazardous waste from a foreign source. Notice of subsequent shipments of the same waste from the same foreign source in the same calendar year is not required.
- II.C.2. When the Permittee arranges to receive hazardous waste from an off-site source (except where the Permittee is also the generator), the Permittee shall inform the generator in writing that he has the appropriate permit(s) for, and will accept, the waste the generator is shipping. The Permittee shall keep a copy of this written notice as part of the operating record as required by UAC R315-8-2.3(b).

II.D. WASTE ANALYSIS PLAN

- II.D.1. The Permittee shall follow the procedures of the Waste Analysis Plan included as Attachment 1 of this Permit. In addition, the Permittee shall comply with any other conditions involving waste analysis in Modules I, II, III and IV.
- II.D.2. The Permittee shall use the test methods described in the Waste Analysis Plan (Attachment 1) or an equivalent procedure that satisfies Condition I.O.3. Changes in a test method described in the Waste Analysis Plan, as a result of an improvement or refinement of that method, may be adopted by the Permittee and incorporated into this Permit, in accordance with UAC R315-4-1.5 and Condition I.D.
- II.D.3. The Permittee shall characterize, using analytical techniques if necessary, all waste streams generated on or off-site in accordance with UAC R315-8-2.4 and Attachment 1.

The waste characterization profiles shall be kept in the operating record.

- II.D.4. An annual evaluation of each waste stream shall be performed, as outlined in the waste analysis plan, to verify that the waste characterization is still accurate. These evaluations shall be kept in the operating record until the next annual evaluations are completed. Characterization of waste streams shall also be done each time the process generating the waste changes.
- II.D.5. Any waste analysis used to evaluate off-site waste for acceptance by the Permittee shall be accomplished using a laboratory that has been certified by the Utah State Division of Laboratories.
- II.D.6. At a minimum, the Permittee shall:
 - II.D.6.a. Maintain properly functioning sampling and analytical equipment;
 - II.D.6.b. Use approved sampling and analytical methods; and
 - II.D.6.c. Submit an updated list of parameters, analytical methods, and sample preparation methods on an annual basis. The updated list shall be submitted to the Executive Secretary on or before January 15th of each calendar year.
- II.D.7. Whenever the Executive Secretary determines that the Permittee needs to update the analytical methodologies or the version(s) of SW-846 that are being used by the Permittee's analytical laboratory, the Executive Secretary will submit written notification to the Permittee. The Permittee shall notify the Utah Department of Health, Bureau of Laboratory Improvement of the requested update within 30 days of receipt of the Executive Secretary's determination. The Permittee shall have 180 days from the receipt of the Executive Secretary's written notification to complete the requested update. If it is not possible to complete the update within the prescribed time, the Permittee shall submit a written request for extension to the Executive Secretary for approval.
- II.D.8. If the Permittee uses a contract laboratory to perform analyses, the laboratory must be certified by the State of Utah to perform the contracted analyses. For parameters for which certification is unavailable, the Permittee shall ensure that quality control/quality assurance data provided by the laboratory is sufficient to assess the validity of the data. The Permittee shall inform the laboratory in writing that it must operate under the Waste Analysis Plan conditions set forth in this Permit.

II.E SECURITY

- II.E.1. The Permittee shall comply with the security conditions and procedures contained in Attachment 7 of this Permit.

II.F. GENERAL INSPECTION REQUIREMENTS

- II.F.1. The Permittee shall conduct inspections in accordance with UAC R315-8-2.6 and shall follow the inspection schedule found in Attachment 2.
- II.F.2. The Permittee shall remedy any deterioration or malfunction as required by UAC R315-

8-2.6(c). If the remedy requires more than 72 hours to implement from the time that the problem is detected, the Permittee shall submit to the Executive Secretary, before the expiration of the 72 hour period, a proposed time schedule for correcting the problem.

II.F.3. Any problem which could endanger human health or the environment shall be corrected as soon as possible after the problem is discovered. The Permittee shall make every effort to eliminate the threat to human health or the environment within 24 hours.

II.F.4. If, upon determination by the Executive Secretary or the Permittee, continued operation of the waste management unit involved in the inspection could endanger human health or the environment, the Permittee shall cease operation of the unit until the problem has been corrected. The Permittee shall be allowed to undertake those operations which are part of corrective activities.

II.F.5. Records of inspections shall be kept as required by UAC R315-8-2.6(d).

II.G. PERSONNEL TRAINING

II.G.1. The Permittee shall conduct personnel training as required by UAC R315-8-2.7. This training program shall follow the outline found in Attachment 3. New personnel working with or around hazardous waste shall complete the required personnel training within six (6) months of their hire date, assignment to the facility or assignment to a new position at the facility.

II.G.2. Facility personnel shall take part in an annual review of their initial training for contingency and hazardous waste management procedures relevant to the positions in which they are employed.

II.G.3. The Permittee shall maintain training documents and records as required by UAC R315-8-2.7(d) and R315-8-2.7(e) [40 CFR 264.16(d) and 264.16(e)], in accordance with the Training Plan in Attachment 3. These records shall indicate the type and amount of training received.

II.G.4. The Permittee shall maintain a copy of the Training Plan at the Facility until it is fully closed and closure is certified.

II.G.5. Employees working at the rocket motor disassembly and storage building (M-603) shall receive task specific on-the-job-training in addition to the training outlined in Attachment 3. This training shall be documented and maintained in the operating record until the specific program is completed.

II.H. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE

II.H.1. The Permittee shall comply with the requirements of UAC R315-8-2.8.

II.H.2. In addition to the requirements of UAC R315-8-2.8., the Permittee shall comply with the Conditions III.G and III.H pertaining to ignitable, reactive, or incompatible waste.

II.I. LOCATION STANDARDS

- II.I.1. The Permittee shall comply with the location standards specified by UAC R315-8-2.9.

II.J. PREPAREDNESS AND PREVENTION

- II.J.1. The Permittee shall follow the Preparedness and Prevention Plan, Attachment 8.
- II.J.2. At a minimum, the Permittee shall equip and maintain in good operating condition at the facility the equipment set forth in Attachment 8, as required by UAC R315-8-3.3.
- II.J.3. The Permittee shall test and maintain the equipment specified in Condition II.J.2 as necessary to assure its proper operation in time of emergency.
- II.J.4. The Permittee shall maintain records of the preventative maintenance and repair activities specified in Condition II.J.3. and shall keep schedules, reflecting minimum and planned frequency for the performance of preventative maintenance activities in the Operating Record at the facility.
- II.J.5. The Permittee shall maintain access to the communications or alarm system as required by UAC R315-8-3.5.
- II.J.6. At a minimum, the Permittee shall maintain 30 inches of aisle space between containers or pallets of containers at storage areas M-186 and E-501.
- II.J.7. The Permittee shall attempt to make arrangements (Coordination Agreements) with State and local authorities as required by UAC R315-8-3.7. Copies of the Coordination Agreements shall be kept in the Operating Record. The attempts to make such agreements, any refusals and all final agreements shall be documented in the Operating Record.

II.K. CONTINGENCY PLAN

- II.K.1. The Permittee shall immediately carry out the provisions of Attachment 4, and follow the emergency procedures described by UAC R315-8-4.7 whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which threatens or could threaten human health or the environment. The Permittee shall comply with Condition I.T. in reporting releases to the Executive Secretary.
- II.K.2. The Permittee shall provide copies of the Contingency Plan to emergency agencies who may be called in an emergency, shall maintain a copy of the Plan at the facility, and shall provide a copy upon request in accordance with UAC R315-8-4.4.
- II.K.3. The Permittee shall review the Contingency Plan, in accordance with UAC R315-8-4.5 and shall modify it in accordance with Condition I.D., if necessary.
- II.K.4. A trained emergency coordinator shall be available at all times in case of an emergency, in accordance with UAC R315-8-4.6 and identified in Attachment 4.

II.L. MANIFEST SYSTEM

- II.L.1. The Permittee shall comply with the manifest requirements of UAC R315-5-2 and UAC R315-8-5. The manifest tracking number shall be recorded in the Operating Record with each waste load that arrives or leaves the Permittee's facility.

II.M. RECORDKEEPING AND REPORTING

- II.M.1. The permittee shall maintain an accurate written Operating Record at the facility in accordance with UAC R315-8-5.3 (40 CFR 264.73 incorporated by reference) and R315-50-2 (Appendix I to Part 264 incorporated by reference).
- II.M.2. The Permittee shall, by March 1 of each year, submit to the Executive Secretary a certification pursuant to UAC R315-8-5.3 [40 CFR 264.73(b)(9) incorporated by reference], signed in accordance with UAC R315-3-2.2, that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste that he generates to the degree determined by the Permittee to be economically practicable; and that the proposed method of treatment, storage, or disposal is the most practicable method currently available to the Permittee which minimizes the present and future threat to human health or the environment.
- II.M.3. The Permittee shall comply with the biennial report requirements of UAC R315-8-5.6, by March 1 of each even-numbered reporting year. The report shall include wastes generated, treated or stored at the Permittee's facility during the previous odd-numbered year.
- II.M.4. The Permittee shall submit additional reports to the Executive Secretary in accordance with UAC R315-8-5.8.
- II.M.5. All reports, notifications, applications, or other materials required to be submitted to the Executive Secretary shall be submitted in accordance with Condition I.DD.

II.N. CLOSURE/POST-CLOSURE

- II.N.1. The Permittee shall close the facility as required by UAC R315-8-7, UAC R315-101 and Attachment 5.
- II.N.2. For all HWMUs, minor deviations from the approved closure plan procedures, necessary to accommodate proper closure, shall be described in narrative form with the closure certification statements. The Permittee shall describe the rationale for implementing minor changes as part of this narrative report. Within 60 days after completion of closure of each HWMU, the Permittee shall submit the certification statements and narrative reports to the Executive Secretary.
- II.N.3. The Permittee shall amend the closure/post-closure plan in accordance with UAC R315-8-7 and Condition I.D. whenever necessary, or when required to do so by the Executive Secretary.
- II.N.4. The Permittee shall notify the Executive Secretary in writing of the partial closure of any portion of the facility in accordance with UAC R315-8-7. The Permittee shall notify the Executive Secretary at least 180 days prior to the commencement of final

facility closure. The closure plan contained in Attachment 5 will be reviewed before commencing partial or final facility closure. If the closure plan requires modification, the plan shall be modified and submitted to the Executive Secretary for approval in accordance with Condition I.D.

- II.N.5. After receiving the final volume of hazardous waste, the Permittee shall treat or remove from the site all hazardous waste and complete closure activities in accordance with the schedule specified in Attachment 5.
- II.N.6. The Permittee shall decontaminate or dispose of all facility equipment, structures, soil and rinsate as required by UAC R315-8-7, R315-8-9 and Attachment 5. Facility equipment, structures and soil which have not been decontaminated shall be disposed of only at a permitted hazardous waste treatment, storage or disposal facility.
- II.N.7. The Permittee shall certify that the facility has been closed in accordance with the specifications in Attachment 5 as required by UAC R315-8-7, and shall provide a certification by an independent, Utah registered professional engineer qualified by experience and education in the appropriate engineering field.
- II.N.8. In the event that any of the hazardous waste management units covered by this permit cannot be clean closed by decontaminating or removing contaminated structures or soil, or releases have occurred which have impacted soil or groundwater, the Permittee shall modify the Closure/Post-Closure Plan for that hazardous waste management unit in accordance with Condition I.D. Within 30 days of the date that the Executive Secretary approves the modification, the Permittee shall close the unit in accordance with the applicable provision of UAC R315-8-7 and R315-101.
- II.N.9. If a HWMU can not be clean closed, the Permittee shall submit a survey plat and property description for the HWMU with the submission of the certification of closure for the HWMU, in accordance with UAC R315-8-7 and R315-101.

II.O. COST ESTIMATES FOR HWMU CLOSURE

- II.O.1. The Permittee's closure cost estimate for each HWMU shall be prepared and maintained at the facility in accordance with UAC R315-8-8 (40 CFR 264.142 incorporated by reference) and Attachment 5.
- II.O.2. On the one year anniversary date of Permit issuance, the Permittee shall submit to the Executive Secretary for approval updated closure plans and detailed closure cost estimates for each HWMU at the ATK facility. The closure cost estimates shall identify the costs, in current dollars, of the steps necessary to perform final closure for each HWMU in accordance with UAC R315-8-9.9 and UAC R315-8-8 (40 CFR 264.142 incorporated by reference).
- II.O.3. On the five year anniversary date of the submittal of the closure cost estimates required by Condition II.O.2. above, the Permittee shall conduct a detailed evaluation of the closure cost estimates for each HWMU and determine whether the annual adjustments for inflation have been adequate to update the closure cost estimates. The Permittee shall submit a report on this assessment and if necessary, a modification of the Permit in accordance with Condition I.D. to the Executive Secretary 90 days after the report is submitted.

- II.O.4. The Permittee shall revise the closure cost estimate within 30 days after the Executive Secretary has approved the request to modify the affected closure plan(s).
- II.O.5. For each new HWMU placed into operation, an updated closure cost estimate to the facility must be prepared which includes the new unit, 60 days prior to waste being placed on or into the new unit.

II.P. FINANCIAL ASSURANCE FOR FACILITY CLOSURE

- II.P.1. The Permittee shall demonstrate continuous financial assurance compliance by providing a third party financial assurance certification of at least the amount of the closure/post-closure cost estimates established in Condition II.O. The Permittee may substitute other instruments of financial assurance provided the method, funding and wording requirements of UAC R315-8-8 are followed and approved by the Executive Secretary.
- II.P.2. The financial assurance document shall be updated within 60 days of the annual adjustment for inflation or within 60 days of the approval of a revised closure/post-closure cost estimate in accordance with UAC R315-8-8.

II.Q. LIABILITY REQUIREMENTS

- II.Q.1. The Permittee shall demonstrate continuous compliance with the liability requirements of UAC R315-8-8 (40 CFR 264.147 incorporated by reference). The Permittee shall have and maintain hazardous waste liability coverage for sudden accidental occurrences in the amount of at least one \$1 million U.S. dollars per occurrence with an annual aggregate of at least \$2 million U.S. dollars, exclusive of legal defense costs. The Permittee shall submit an approved certificate of hazardous waste liability insurance worded as required by UAC R315-8-8.
- II.Q.2. Changes in liability coverage mechanisms shall be approved by the Executive Secretary 60 days prior to such a change.

II.R. INCAPACITY OF OWNER OR OPERATORS, GUARANTORS, OR FINANCIAL INSTITUTIONS

- II.R.1. The Permittee shall comply with the notification and financial requirements of UAC R315-8-8 (40 CFR 264.148 incorporated by reference).